

促代谢型谷氨酸受体 1+5 抗体

产品货号： mIR12014

英文名称： MGLUR1 + MGLUR5

中文名称： 促代谢型谷氨酸受体 1+5 抗体

别名： MGLUR1+MGLUR5; GPRC1A; GPRC1E; GRM1; GRM1A; GRM5; Metabotropic glutamate receptor 1; Metabotropic glutamate receptor 5; mGlu1; mGlu5; MGLUR1; MGLUR1A; MGLUR5; MGLUR5B; GRM1_HUMAN; GRM5_HUMAN.

研究领域： 细胞生物 神经生物学 信号转导 合成与降解 G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 130kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human MGLUR1 + MGLUR5:501-600/1194

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed : PubMed

产品介绍 : Glutamate is the main excitatory neurotransmitter in the brain. For many years it had been considered to act only on the ligand-gated receptor channels-termed NMDA, AMPA and kainite receptors that are involved in the fast excitatory synaptic transmission. Recently, glutamate has been shown to regulate enzymes producing second messengers via specific receptors coupled to G-proteins. These receptors are called metabotropic glutamate receptors. In expression systems, Group-I receptors stimulate phospholipase C as revealed by an increase in phosphoinositide turnover and calcium release from internal stores. Group-II and -III receptors are coupled to the inhibition of adenylyl cyclase. The Group-I receptors include Metabotropic Glutamate Receptor 5 and Metabotropic Glutamate Receptor 1a. The Group-II receptors include mGluR2 and mGluR3.

Function:

Receptor for glutamate. The activity of this receptor is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system. May participate in the central action of glutamate in the CNS, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum.

Subunit:

Homodimer; disulfide-linked. The PPXXF motif binds HOMER1, HOMER2 and HOMER3. Interacts with SIAH1, RYR1, RYR2, ITPR1, SHANK1, SHANK3 and GRASP

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 3 family.

SWISS:

Q13255

Gene ID:

2911

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

